

**Public Works
Storm Water Utility**

(1) Program Title: Lake De-silting

(2) Division/Section: River Maintenance

(3) Program Element: (a) TPDES

1. Storm Water Controls & Collection System Operations

(4) Statement of Purpose:

This activity is associated with a TPDES permit requirement. The Permit's Storm Water Management Program Requirement (1) states that the municipal separate storm sewer system and any storm water structural controls shall be operated in a manner to reduce the discharge of pollutants to the maximum extent practicable. Total suspended solids (TSS) are one of the major contributors to poor water quality. Silt enters area lakes and ponds as a result of construction site runoff, erosive velocities in upstream earthen channels resulting from storm events and poorly vegetated areas. The City's Storm Water Management Program specifies that the drainage infrastructure receive regularly scheduled de-silting maintenance. In addition, this activity aids in the conveyance of storm water. Silt build-up reduces the potential storm water capacity of area lakes and ponds that take surface run-off.

(5) Description of Actions (Statement of Services):

Seven area lakes and ponds have been identified to receive de-silting operations. These lakes and ponds are: Woodlawn Lake, Davis Lake, Elmendorf Lake, Southside Lions Park, Miller's Pond, San Antonio River, and Friesenhahn Pond. Evaluation of the sediment must be conducted prior to de-silting operations to identify composition of material and to develop effective removal process and appropriate disposal procedures. In addition, all necessary regulatory permits must be applied and received prior to maintenance activities. It is anticipated that de-silting operations will be accomplished by mechanical methods and entails dewatering of the lake/pond.